

2. Brianna

Program Name: Brianna.java

Input File: brianna.dat

In Brianna's statistics course, Brianna just learned that the range of a set of data is the difference between the largest and smallest values. Brianna knows that this is a relatively easy statistic to calculate when the sample set is small, but when the sample set is big, Brianna knows that a careless mistake of missing one value could result in calculating the range incorrectly. In order to prevent careless mistakes when calculating the range, Brianna has decided to write a program that will calculate the range for her. Will you be able to assist Brianna with this?

Input: Input consists of a single list of N positive integers, $5 \leq N \leq 50$, with single space separation, all on one line.

Output: Output the minimum value, maximum value, and the range of the list of integers.

Sample Input:

43 25 49 81 5 45 100 81 98 89 95 94 31 14 20 1 61 49 84 73

Sample Output:

1 100 99